GASTROINTESTINAL TRACT CANCER

417

TOLERANCE AND RESPONSE OF SOMATOSTATIN ANALOGUE (SME)
SANDOSTATIN OF THE TREATMENT OF CHEMOTHERAPY INDUCED DIARREA, N. Patrelli, P. Creaven, L. Harrern, Y. Rustum, Rosvell Fark Cancer Institute, Buffalo, NY

Rosvell Park Cancer Institute, Buffalo, NY

Six parients (ptm) developed severe diarrhees (4 or
more loose watery stools per day requiring intravenous
hydration) secondary to chemotherapy. All had failed
reatment with loweth 1. Mean number of loose stools per
day was 6 (range 4-16). All ptm had tissue documented
motastatic colorectal adonocarcinoms. There were 5 females
and one male. Mediam age was 58 years (range 41-71).
Chemotherapy, consisted of weekly 5-Fluorourscil (5-FU)
600-750 mg/m with 68-leucovorin 250 mg/m in 4 pts; 5-FU
500 mg/m² with 6R,S-leucovorin 500 mg/m² in one pt and one
pt treated with oral Uracil and Ftorafur (UFT) 1200 mg/m²
workly, Sites of metastases were lung - 3 pts, liver 2 pts, inguinal region - 1 patient. ECOC parformance veckly. Sites of metastascs were lung - 3 pts, liver - 2 pts, inguinal region - 1 patient. ECCC performance status was 0-1. Within 48 hrs of reporting diarrhea all pts were treated with intravenous fluid hydration, nothing by mouth and EMS. The latter was given to each pt in the following escalating doces: A continuous intravenous incusion of 50 micrograms (ug)/hour (h) for 12 h then 100 ug/h for 12 h then 150 ug/h for 72 h, Diarrhea complately resolved in 4 of 5 pts within 24 h of the 150 ug/h infusion. In the 6th pt the diarrhea tosolved within 12 h of the 100 ug/h infusion. No side effects from SME were seen. All pts resumed a regular diet without recurrence of the diarrhea. 150 ug/h has been an effective and safe schodule diarrhea, 150 ug/h has been an effective and safe schodule of SMS for the treatment of chemotherapy induced diarrhes. Pt scernal continues. Supported by USPHS NCI CA 21071.

418

THE COMBINED EFFECTS OF 5-FILIOROURACIL AND RECOMBINANT IMPERFERON-CAMPA ON BLOCAN CASTRIC CARCINOMA CRIL LINES.

J.-G. Park, H.T. Kim, S.H. Park, N.K. Kim Secul National University Respital, Secul 110-744, ROREA.

Stomach cancer is a leading malignant disease in many countries. Conventional combination chemotherapy approaches to advanced gestric cancer only produce partial response and there has been no impact on patient survival from these approaches. Of several promising new approaches the combination of interferon and chemotherapeutic agents are new being rade to improve the effectiveness for the are now being made to improve the effectiveness for the

treatment of concer. This study was conducted to investigate the combined affects of 5-FU and recombinant IFN-gamma at cellular level against four gastric carvinoms cell lines (6KU-1, 6KU-5, 5KU-16, and KCI-N87). We used a semiantomated tetraralium based colorimatic (MRT) assay for cytotradicity tetrazzlium-based colorimetric (MTT) assay for cytobodelt and an isobologram analysis to evaluate the effects of combination. The experiment was performed three times on each of the three cell lines. Only two experiments for SNU-16 and NCT-NET showed supraadditivity (P < C.O.2). On isobologram plotted by the mean value of three experiments for each cell line, supraadditivity was suggested for only SNU-16 (P=0.055). In omelusion, our result did not document in vitro synercy between 5-FU and IFN-gamma for gastric carcinoma cell lines but additivity within clinically achievable dose range. Because in vivo immunomodulatory effect of IFN-gamma on host is more important rather than antiproliferative effect, the combination of 5-FU and IFN-gamma is expected to improve combination of 5-FV and TRN-gamma is expected to improve the treatment of advanced gastric concer.

419

HIGH DOSE AMINOTHIODIATOLE (ATDA) IN ADVANCED COLORECTAL ADEROCARCINOMA: AR ILLINOIS CANCER COUNCIL (ICC) PHASE II STUDY. G. Locker, L. Kilton, J. Khandekar, D. Shevrin, R. Albain, R. Blough, A. Watkins, D. Tuteur. Tllinois Cancer Council, Chicago, IL 60603. Secause provious Phase II studies of ATDA in

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advanced colon cancer employed drug doses less than avvances coion cancer employed drug doses Ass. than maximally tolerated (NTD) and the suggestion of a dose response phenomenon of the drug against large bowel carcinomas (PROC ASCO: 113, 1989) the ICC conducted a Phase II study of ATDA at NTD. 30 patients with pathologically proven measurable recurrent or metastatic colorectal cancer were entered. 3 patients (pts.) had received radiosensitizing doses of 5-BU and (pte.) had received radiosensitizing doses of 5-FU and radiation; 27 pte. had no prior chemotherapy. Median age was 64; 19 pts. were male; 11 female. 10 pts. were ECOG performance status (FS) 0; 20 were FS1. ATDA dose was 175 mg/M² IV weekly with escalation to 200 mg/M² if no toxicity seen. All pts. received prophylactic allowatched and semegroraidal anticipal amazanus descar allopurinol and non-sceroidal anti-inflammatory drugs to altopurinos and non-steroscal anti-inglammatory drugs to prevent hyperuricemia and dose-limiting chest pain. 20 pts. are currently evaluable for response (2 refused follow-up measurements, 2 missing data, 6 too carly) and 22 are evaluable for toxicity. 12 pts. had dose escalations. Names (59% of ptn.), dermatitis (41%), angmis (41%), diarrhos (32%) and stomatitis (18%) were generally of mild to moderate severity. Despite prophylaxis, 3 pts. developed chest pain. There were no objective responses seen, although 12 pts. had poriods of stability lasting 1 to 19 months. Median survival was 15 months. Arth given at MTD did not result in significant tumor regressions in patients with advanced colorectal carcinoma. Survival was longer than experted in a predominantly symptomatic patient population. Supported by Grant 2P30-CA-21742 MCI:NIH

420

SENSITIVITY OF SURVIVAL PATTERNS AFTER AJCO 1988 STAGING OF ESOPHAGEAL CANCER. E. Watche, Jr., M.J. Kraane, F.H. Elle, Jr. G.J. Heatley, and K. Balogh. Lahey Clinto, Burtington. MA, and New England Deaconass Hospital and Harvard Medical School, Boston, MA.

Deanness ruspins and pathologic staging version of the American Joint
The 1988 TNM pathologic staging version of the American Joint
Committee on Cancer (AJCC) was applied to 281 patients who underwort standard esophageal resection for ours or palliation between 1970 through

The table indicates adverse influence of nodal disease on median aurylval time (MST) and 5-year survival with approach to significance (IA vs. IIB, P = 0.12). Comparison is confounded by the variation in classification of local invasion. In the two groups. Nodal influence is also suggested in the IIIT4 groups comparing No and N1 status (P = 0.09).

influence of local advanced disease is suggested in comparison of intrant and intrant MST and survival, which is without statistical significance (P = 0.28).

Power analysis indicates that fragmentation of even large study groups into 7 categories frequently results in statistically meaningless results in

into survivor groups with small risk populations.

We are currently evaluating a modified version of the Skinner WNM staging plan to be presented. The WNM schema permus comparison of degrees of local and nodal involvement with a modest increase in staging fragmentation.

Stage .	TNM	MST Mo. ± SE	Survival 6 years	Logrank P
IIA IIB IIIT3N1 IIT4N0 IIT4N1	T4NQM0	>49.9 24.5±10.6 18.0±4.3 21.8±3.5 26.5±4.9 14.0±0.9 6.0±1.4	37.5±6.7 18.2±8.1 15.2±8.6 18.7±10.8 12.7±4.5	0.62 0.12 0.91 0.83 0.09 0.0001

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Roswell Park Cancer Institute, Buffalo, NY Six patients (pts) developed severe diarrhea (4 or more loose watery stools per day requiring intravenous hydration) secondary to chemotherapy. All had failed treatment with lomottil. Mean number of loose stools per day was 6 (range 4-16). All pts had tissue documented metastatic colorectal adenocarcinoma. There were 5 females and one male. Median age was 58 years (range 41-71).

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500 mg/m² with 6R, S-leucovorin 500 mg/m² in one pt and one pt treated with oral Uracil and Ftorafur (UFT) 1200 mg/m2 weekly. Sites of metastases were lung - 3 pts, liver -2 pts, inguinal region - 1 patient. ECOG performance status was 0-1. Within 48 hrs of reporting diarrhes all pts were treated with intravenous fluid hydration, nothing by mouth and SMS. The latter was given to each pt in the following escalating doses: A continuous intravenous infusion of 50 micrograms (ug)/hour (h) for 12 h then 100 ug/h for 12 h then 150 ug/h for 72 h. Diarrhea completely resolved in 4 of 5 pts within 24 h of the 150 ug/h infusion. In the 6th pr the diarrhea resolved within 12 h of the 100 ug/h infusion. No side effects from SMS were seen. All pts resumed a regular diet without recurrence of the diarrhea. 150 ug/h has been an effective and safe schedule of SMS for the treatment of chemotherapy induced diarrhea. Pt accrual continues. Supported by USPHS NCI CA 21071.

THE COMBINED EFFECTS OF 5-FLUOROURACIL AND RECOMBINANT INTERFERON-GAMMA ON HIMAN GASTRIC CARCINOMA CELL LINES.

.-G. Park, H.T. Kim, S.H. Park, N.K. Kim J.-G. Park, H.T. Kim, S.H. Mark, N.K. Seoul 110-744, KORFA. Seoul National University Hospital, Seoul 110-744, KORFA.

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419

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